LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049329.D
Acq On : 16 Jun 2018 23:47
Operator : MD\SY
Sample : J3435-09 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : NW6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	9	21	45	rBV	2194685	3263683	8.66%	1.750%
2	2.802	364	377	394	rVB	548186	1122660	2.98%	0.602%
3	3.133	468	480	498	rVB	341725	740155	1.96%	0.397%
4	3.561	598	613	629	rVB	177713	416996	1.11%	0.224%
5	4.629	923	945	966	rVB4	306039	1356481	3.60%	0.727%
6	5.053	1051	1077	1107	rBV3	213123	777116	2.06%	0.417%
7	6.374	1470	1488	1515	rVB3	121333	381384	1.01%	0.205%
8	6.628	1544	1567	1588	rBV	1208903	3808389	10.10%	2.042%
9	7.593	1847	1867	1876	rBV	969403	2475119	6.57%	1.327%
10	7.664	1877	1889	1907	rVB2	2135772	5503592	14.60%	2.952%
11	8.034	1986	2004	2030	rBV2	1237738	3191580	8.47%	1.712%
12	8.175	2031	2048	2058	rBV5	278824	800752	2.12%	0.429%
13	8.587	2159	2176	2216	rBV	2195901	4902236	13.01%	2.629%
14	9.082	2306	2330	2344	rBV4	435033	1175438	3.12%	0.630%
15	9.616	2482	2496	2520	rBV2	176772	419571	1.11%	0.225%
16	10.091	2629	2644	2656	rBV	3831086	7251424	19.24%	3.889%
17	10.156	2656	2664	2677	rVB	759838	1441832	3.83%	0.773%
18	11.410	3038	3054	3072	rBV	2809426	5076138	13.47%	2.722%
19	11.513	3073	3086	3104	rVV	8768368	14670893	38.92%	7.868%
20	11.622	3105	3120	3145	rVB	19993448	37693254	100.00%	20.215%
21	11.950	3198	3222	3244	rBV	6517563	10828641	28.73%	5.807%
22	12.249	3303	3315	3331	rVB	412625	672991	1.79%	0.361%
23	12.403	3348	3363	3381	rBV	2609672	4392977	11.65%	2.356%
24	12.593	3410	3422	3431	rBV	784754	1240969	3.29%	0.666%
25	12.657	3431	3442	3448	rVV	3675939	6125915	16.25%	3.285%
26	12.689	3448	3452	3459	rVV	2593391	3758808	9.97%	2.016%
27	12.734	3459	3466	3481	rVB	3991632	6254909	16.59%	3.354%
28	12.895	3502	3516	3531	rBV	3295879	5409710	14.35%	2.901%
29	13.043	3541	3562	3574	rBV	10076663	16033212	42.54%	8.599%
30	13.345	3645	3656	3661	rBV	2596291	4417987	11.72%	2.369%
31	13.374	3661	3665	3679	rVB	3118999	4649740	12.34%	2.494%
32	13.545	3697	3718	3726	rBV2	3871517	7217466	19.15%	3.871%
33	13.583	3726	3730	3749	rVB2	1516557	2373139	6.30%	1.273%
34	13.741	3766	3779	3789	rVB2	413010	765073	2.03%	0.410%

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Title : SW846 8260

35	13.805	3789	3799	3804	rBV	747353	1215410	3.22%	0.652%
36	13.834	3804	3808	3817	rVV	692214	963840	2.56%	0.517%
37	13.892	3817	3826	3835	rVV	1154125	1739612	4.62%	0.933%
38	13.950	3835	3844	3850	rVV	276753	414582	1.10%	0.222%
39	13.998	3850	3859	3870	rVB2	1186625	1880449	4.99%	1.008%
40	14.130	3890	3900	3911	rBV2	351812	558206	1.48%	0.299%
41	14.210	3911	3925	3931	rBV	599568	997355	2.65%	0.535%
42	14.252	3931	3938	3947	rVB	1070997	1600128	4.25%	0.858%
43	14.477	3999	4008	4018	rBV2	628308	967807	2.57%	0.519%
44	14.596	4031	4045	4057	rBV2	1576538	2923105	7.75%	1.568%
45	14.853	4108	4125	4131	rBV5	259126	574050	1.52%	0.308%
46	14.959	4145	4158	4174	rVB3	265269	629715	1.67%	0.338%
47	15.136	4194	4213	4225	rBV	785283	1389371	3.69%	0.745%

Sum of corrected areas: 186463860

LSC Report - Integrated Chromatogram

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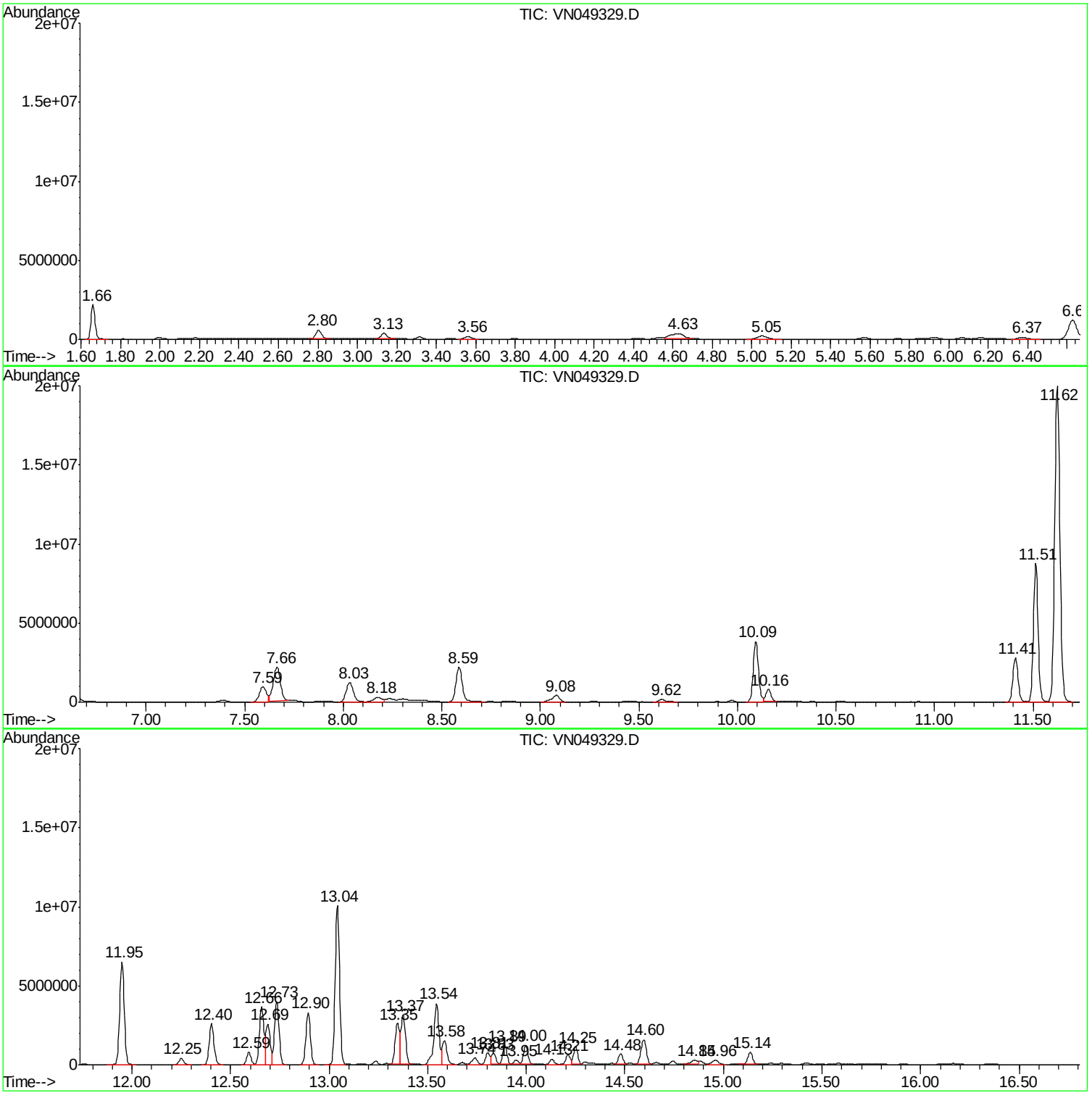
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	34.60 ug/l	3808390	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane	56	C4H8	000287-23-0	50

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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	69.33 ug/l	6125920	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90

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Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	61.22 ug/l	5409710	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90

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Peak Number 4 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Instrument : MSVOA_N
ClientSampleId : NW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	81.68 ug/l	7217470	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	92
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68
5	Deltacyclene	118	C9H10	007785-10-6	62

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Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	26.86 ug/l	2373140	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	83
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	80

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Peak Number 6 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	19.69 ug/l	1739610	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95

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Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	21.28 ug/l	1880450	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4 87
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0 83
3	Indan, 1-methyl-	132	C10H12	000767-58-8 81
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9 80
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7 80

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Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	18.11 ug/l	1600130	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	o-Cymene	134	C10H14	000527-84-4	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95

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Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	33.08 ug/l	2923110	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87

Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentane, met...	6.63	34.6	ug/l	3808390	1	7.67	5503590	50.0
Benzene, 1-ethyl-...	12.66	69.3	ug/l	6125920	4	13.35	4417990	50.0
Benzene, 1-ethyl-...	12.90	61.2	ug/l	5409710	4	13.35	4417990	50.0
Indane	13.54	81.7	ug/l	7217470	4	13.35	4417990	50.0
Benzene, 2-ethyl-...	13.58	26.9	ug/l	2373140	4	13.35	4417990	50.0
o-Cymene	13.89	19.7	ug/l	1739610	4	13.35	4417990	50.0
Benzene, 1-etheny...	14.00	21.3	ug/l	1880450	4	13.35	4417990	50.0
Benzene, 1,2,4,5-...	14.25	18.1	ug/l	1600130	4	13.35	4417990	50.0
Benzene, 2-etheny...	14.60	33.1	ug/l	2923110	4	13.35	4417990	50.0